



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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1608L1-Series

MSA-compatible 4.25Gb/s Cooled DWDM DFB TOSA



Product Brief



Description

The 1608-Series 4.25 Gb/s transmitter optical subassembly (TOSA) integrates a high-speed laser, a monitor photodiode and a micro-TEC in a small form-factor metallized ceramic package. It is designed for use in small form-factor pluggable (SFP) transceivers and other types of optical modules for high-speed telecommunication and data applications including WDM 4X Fiber Channel and 4G Gigabit Ethernet.

The 1608-Series is available in the full range of C band ITU-T wavelengths operating at 4.25 Gb/s per channel. The device exhibits excellent wavelength stability, supporting operation at 100 GHz channel spacing over 15 years (assuming an end-of-life aging condition of $<\pm 90$ pm), with low hazard rates (~100FIT wearout over 20 yrs.).

1608L1xx is the standard commercially available variant.

Features

- Ultra small form factor 9-pin MSA DFB TOSA
- Data rates up to 4.25Gb/s
- For use up to 80 km (1600 ps/nm) at 4.25 Gb/s
- +3 dBm minimum optical output power
- Wavelength selectable to C-band ITU-T grid wavelengths
- Suitable for use in 100GHz channel spacing DWDM systems
- Temperature stabilized; can also be operated in partially cooled mode for CWDM applications
- Maximum power consumption less than 0.25W
- LC receptacle
- 25 Ω single-ended data input
- Case operating temperature range: -5 to +75°C

For product information and a complete list of distributors, please go to our web site: www.avagotech.com

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